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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	09/417,386
Filing Date	10/13/99
First Named Inventor	Rothberg, et al.
Group Art Unit	1643
Examiner Name	Not Yet Assigned
Attorney Docket Number	15966-539 (CURA-39)

U.S. PATENT DOCUMENTS

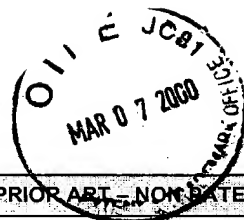
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
at	A1	5,565,340	10/15/96	Chenchik, et al.			
at	A2	5,597,713	01/28/97	Kato, et al.			
at	A3	5,871,697	02/16/99	Rothberg, et al.			

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
at	C1	Adams, M. D., J. M. Kelley, et al. (1991). "Complementary DNA sequencing: expressed sequence tags and human genome project." <u>Science</u> 252(5013): 1651-6.
at	C2	Banerjee, A. K. (1980). "5'-terminal cap structure in eucaryotic messenger ribonucleic acids." <u>Microbiol Rev</u> 44(2): 175-205.
at	C3	Belyavsky, A., T. Vinogradova, et al. (1989). "PCR-based cDNA library construction: general cDNA libraries at the level of a few cells [published erratum appears in Nucleic Acids Res 1989 Jul 25;17(14):5883]." <u>Nucleic Acids Res</u> 17(8): 2919-32.
at	C4	Berger, S. L. (1987). "Preparation and characterization of RNA: overview." <u>Methods Enzymol</u> 152: 215-9.
at	C5	Bochnig, P., R. Reuter, et al. (1987). "A monoclonal antibody against 2.2.7-trimethylguanosine that reacts with intact, class U, small nuclear ribonucleoproteins as well as 7-methylguanosine-capped RNAs." <u>Eur. J. Biochem.</u> 68: 46-467.
at	C6	Carninci, P., C. Kvam, et al. (1996). "High-efficiency full-length cDNA cloning by biotinylated CAP trapper." <u>Genomics</u> 37(3): 327-36.
at	C7	Delort, J., J. B. Dumas, et al. (1989). "An efficient strategy for cloning 5' extremities of rare transcripts permits isolation of multiple 5'-untranslated regions of rat tryptophan hydroxylase mRNA." <u>Nucleic Acids Res</u> 17(16): 6439-48.
at	C8	Edery, I., L. L. Chu, et al. (1995). "An efficient strategy to isolate full-length cDNAs based on an mRNA cap retention procedure (CAPture)." <u>Mol Cell Biol</u> 15(6): 3363-71.
at	C9	Frohman, M. A., M. K. Dush, et al. (1988). "Rapid production of full-length cDNAs from rare transcripts: amplification using a single gene-specific oligonucleotide primer." <u>Proc Natl Acad Sci USA</u> 85(23): 8998-9002.
at	C10	Fromont-Racine, M., E. Bertrand, et al. (1993). "A highly sensitive method for mapping the 5' termini of mRNAs." <u>Nucleic Acids Res</u> 21(7): 1683-4.



OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
pt	C11	Furuichi, Y. and K. Miura (1975). "A blocked structure at the 5' terminus of mRNA from cytoplasmic polyhedrosis virus." <u>Nature</u> 253(5490): 374-5.
pt	C12	Gubler, U. and B. J. Hoffman (1983). "A simple and very efficient method for generating cDNA libraries." <u>Gene</u> 25(2-3): 263-9.
pt	C13	Loh, E. Y., J. F. Elliott, et al. (1989). "Polymerase chain reaction with single-sided specificity: analysis of T cell receptor delta chain." <u>Science</u> 243(4888): 217-20.
pt	C14	Maruyama, K. and S. Sugano (1994). "Oligo-capping: a simple method to replace the cap structure of eukaryotic mRNAs with oligoribonucleotides." <u>Gene</u> 138(1-2): 171-4.
at	C15	Mathieu-Daude, F., J. Welsh, et al. (1996). "DNA rehybridization during PCR: the 'Cot effect' and its consequences." <u>Nucleic Acids Res</u> 24(11): 2080-6.
pt	C16	Ohara, O., R. L. Dorit, et al. (1989). "One-sided polymerase chain reaction: the amplification of cDNA." <u>Proc Natl Acad Sci U S A</u> 86(15): 5673-7.
pt	C17	Okayama and Berg (1982). <u>Mol. & Cell Biol.</u> 2: 161-170.
pt	C18	Patanjali, S. R., S. Parimoo, et al. (1991). "Construction of a uniform-abundance (normalized) cDNA library [published erratum appears in Proc Natl Acad Sci U S A 1991 Jun 1;88(11):5066]." <u>Proc Natl Acad Sci U S A</u> 88(5): 1943-7.
pt	C19	Shatkin, A. J. (1985). "mRNA cap binding proteins: essential factors for initiating translation." <u>Cell</u> 40(2): 223-4.
pt	C20	Suzuki, Y., K. Yoshitomo-Nakagawa, et al. (1997). "Construction and characterization of a full length-enriched and a 5'- end-enriched cDNA library." <u>Gene</u> 200(1-2): 149-56.

Examiner Signature		Date Considered	10/7/00
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